

2001 FALL POTATOES CHEMICAL USAGE

The seven survey states totaled 8.9 million planted acres in 2001. Nitrogen was applied to 98% of the total 2001 fall potato acreage in the seven states surveyed. Growers averaged 3.4 applications per acre applying 62 pounds per treatment. In the states surveyed, 95% of the planted fall potato acreage received phosphates. Potash fertilizer was applied to 86% of the fall potato acreage.

Herbicides were applied to 82% of the total fall potato acreage in the seven states in 2001. Metribuzin was applied to 64% of the acreage, with EPTC applied to 20% of the acres. Insecticide applications were reported on 93% of the total fall potato planted acreage, while fungicide applications were reported on 85% of the acreage.

FALL POTATOES: Acreage, Percent Receiving Chemicals, Number of Applications, Rates per Application, Major States, 2001

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticide
		Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Area Applied 1/
	1,000 Acres	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Percent
MN	59	93	2.0	57	89	1.2	70	89	1.2	114	78	95
ND 2/	118											
WI	84	100	4.3	60	98	1.3	121	100	2.7	104	88	86
TOTAL 3/	898	98	3.4	62	95	1.6	102	86	1.5	114	82	93

1/ Refers to acres receiving one or more applications of a specific chemical.

2/ Data not published due to insufficient number of reports.

3/ Refers to seven major fall potatoes states including: ID, ME, MN, ND, OR, WA, and WI.

FALL POTATOES: Frequency and Extent of Usage by Active Ingredient, Minnesota, 2001

Active Ingredient	Area Applied 1/	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	Lbs. Per Acre	Lbs. Per Acre	1,000 Pounds
HERBICIDES:					
Linuron	15	1.0	1.22	1.22	11
Metolachlor	17	1.0	1.71	1.71	17
Metribuzin	52	1.0	0.33	0.35	11
Rimsulfuron	17	1.0	0.02	0.02	2/
S-Metolachlor	16	1.0	1.12	1.12	10
INSECTICIDES:					
Cyfluthrin	37	1.6	0.03	0.05	1
Imidacloprid	88	1.3	0.11	0.15	8
FUNGICIDES:					
Azoxystrobin	35	2.9	0.10	0.29	6
Chlorothalonil	71	4.9	0.85	4.19	176
Cymoxanil	21	1.2	0.12	0.15	2
Mancozeb	53	3.5	1.43	5.07	160
Metiram	19	5.5	1.32	7.28	80
Triphenyltin hydroxide	15	3.5	0.10	0.36	3
OTHER CHEMICAL:					
Diquat	51	1.3	0.38	0.52	15

1/ Refers to acres receiving one or more applications of a specific chemical.

2/ Total applied is less than 1,000 lbs.